



Chemistry of Protein Conjugation and Cross-linking

A cross-linking must for both the novice and expert.

Today's advanced protein cross-linking techniques are defined by the author of this comprehensive text, Dr. Shan S. Wong. This valuable hardcover guide includes hundreds of structures, easy-to-follow reaction schemes and current application references. More than 300 pages detail the critical aspects of protein cross-linking and conjugate preparation - from selection and design of reagents, to analysis of the cross-linked species.

The topics covered in *Chemistry of Protein Conjugation and Cross-linking* include:

- Reactive groups of proteins
- Choice and design of cross-linking reagents
- Homobifunctional cross-linkers
- Heterobifunctional cross-linkers
- Zero-length cross-linking reagents
- Procedures, analysis and complications
- Cross-linking to soluble proteins
- Cross-linking of membrane proteins
- Preparation of enzyme conjugates
- Preparation of immunotoxins and drug conjugates
- Coupling of proteins to solid supports
- Protein:DNA/RNA cross-linking

Images

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